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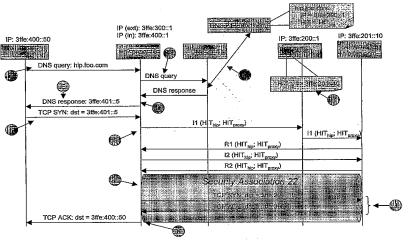
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(54) Title: ADDRESSING METHOD AND METHOD AND APPARATUS FOR ESTABLISHING HOST IDENTITY PROTOCOL (HIP) CONNECTIONS BETWEEN LEGACY AND HIP NODES



(57) Abstract: A method is provided of at least partially securing communications, via a HIP proxy (16), between a first host (12) which is not HIP enabled and a second host (14) which is HIP enabled, the method comprising: sending (A) a query from the first host (12) to resolve the IP address of the second host (14); in response to said query, retrieving (B, C) an EP address (IP<sub>fa</sub>) and (HIT<sub>hip</sub> associated with the second host (14), returning (E) tom. the proxy (16) a substitute IP address (IP<sub>res</sub>) associated with the second host (14), and maintaining (D) at the proxy (16) a mapping between the substitute IP address (IP<sub>res</sub>), the retrieved IP address (IP<sub>fa</sub>) and the retrieved HIT (HIT<sub>hip</sub>); and upon receipt (F) of a session initiation message (TCP SYN) at the proxy (16) from the first host (12) including as its destination address the, substitute IP address (IPres), using the mapping to negotiate a secure HIP, connection (22) between the proxy (16) and the second host (14).

